

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No.	:	(To be assigned)
Applicant	:	Yoshifumi Kachi, et al.
Filed	:	On even date herewith
Tech. Cntr./Art Unit	:	(To be assigned)
Examiner	:	(To be assigned)
Docket No.	:	39.024-AG
Customer No.	:	29453

Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This constitutes an Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.97 and 1.98. The documents listed on the accompanying Form PTO/SB/08A are hereby brought to the Examiner's attention in the patent application identified above.

REMARKS

Cite Nos. F1 and F2, listed on Form PTO/SB/08A submitted herewith, were cited in the International Search Report for PCT/JP2003/003481, of which the above-identified patent application is to be the National Stage. Both references are not in English.

Furthermore, Cite No. F3 listed on Form PTO/SB/08A is not in English either.

Concise Explanation of Relevance/Copy of Translation Pursuant to 37 C.F.R. § 1.98(a)(3)

As a concise explanation of the relevance of the presently submitted non-English references from the International Search Report, i.e., Cite Nos. F1 and F2, a copy of the International Search Report in English also accompanies this paper.

Nat'l. Stage of Int'l. App. No. PCT/JP2003/003481
IDS Submission dated June 25, 2004

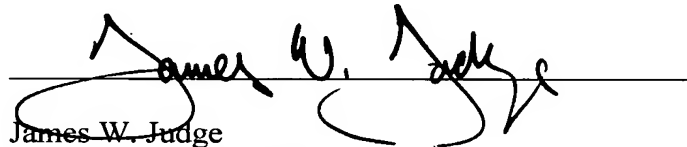
The entire "Background Art" section of the specification in the present application amounts to a concise explanation of the relevance of Cite No. F3.

Furthermore, English abstracts of Cite Nos. F1 through F3 are available, and a copy of the corresponding abstract is attached to the front of each reference. (Note that Cite No. F3 is a published Japanese *examined* patent application, as opposed to a published Japanese *unexamined* patent application, which is what Cite Nos. F1 and F2 are. Nevertheless, the English abstract for Cite No. F3 is taken from the published corresponding *unexamined* patent application.)

The Examiner is respectfully requested to consider these references, to indicate so on the accompanying Form PTO/SB/08A, and to make the document of record in the present application.

Respectfully submitted,

June 25, 2004


James W. Judge
Registration No. 42,701

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	(To be assigned)
				Filing Date	March 20, 2003 [371(c) date]
				First Named Inventor	Yoshifumi Kachi
				Art Unit	(To be assigned)
				Examiner Name	(To be assigned)
Sheet	1	of	1	Attorney Docket Number	39.024-AG

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A1	US-5,231,690	07-27-1993	Soma et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F1	JP-2002-134484-A	05-10-2002	ASM Japan KK		✓
	F2	JP-2000-243821-A	09-08-2000	Kyocera Corp		✓
	F3	JP-H06-028258-B2	04-13-1994	NGK Insulators Ltd.		✓

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.